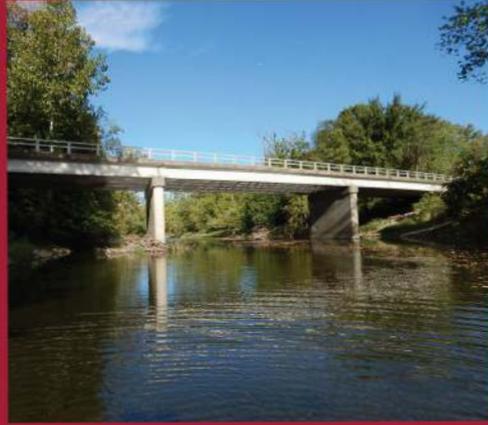


Boone County



BRIDGE INVENTORY REPORT - PHASE I - 2017

**GO TO TABLE
OF CONTENTS**

**GO TO
COUNTY MAP**





ENGINEERING

ENVIRONMENTAL

INSPECTION

LAND SURVEYING

LAND ACQUISITION

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WASTEWATER

SINCE 1965

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March 2, 2020

The Board of County Commissioners
Boone County Indiana
116 West Washington Street
Lebanon, IN 46052

RE: Boone County Bridge Inventory
Phase II Final Report
Des. No. 1500227

Dear Commissioners:

We are enclosing the Phase II, Bridge Inventory and Inspection Report for all one hundred ninety (190) bridges in Boone County, Indiana, more than twenty feet in span length that are not on State or Federal Highways. This study was authorized under an Agreement dated March 6, 2017 between the Board of Boone County Commissioners and our firm.

This study has been compiled in order to provide you with a more current record of the condition of the bridges for which Boone County is responsible. The Federal Highway Administration, recognizing that Bridge Inspection should be a continuing program, has provided funding for 80 percent of the cost of this study.

The data contained in this report has been summarized for your use in managing your County Bridge System. A Replacement Priority Schedule is included to assist the County in determining which bridges should be replaced or repaired first along with a recommended year of replacement and approximate structure costs. It is recommended that further study be performed to determine more accurate structure sizes and corresponding appropriate structural types before programming structures for repair or replacement. It should be noted that the estimated costs given in this report are based on current prices and may need to be adjusted as the economy changes.

We wish to express our appreciation for the cooperation extended to us by the Board of Commissioners – Don Lawson, Jeff Wolfe, and Tom Santelli, and by Craig Parks, Boone County Engineer, and by the Bridge Inspection Section, Indiana Department of Transportation.

If you have any questions or comments, please contact me at your convenience.

Sincerely,
UNITED CONSULTING *TEL*

Jim Lesh, P.E.
Project Manager

enclosures

c: Jeff Larrison
File 17-204

BRIDGE INVENTORY REPORT

Prepared for

BOONE COUNTY, INDIANA

Phase II - 2019

THE BOARD OF COUNTY COMMISSIONERS
BOONE COUNTY, INDIANA

Tom Santelli, District 1

Don Lawson, District 2

Jeff Wolfe, District 3

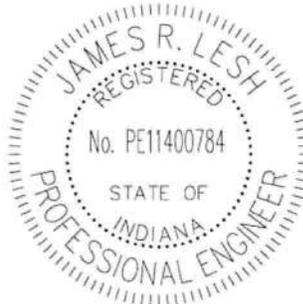
Prepared by:



Certified by: Boone County
Engineer



Jim Lesh, P.E.
Inspection Team Leader
IN000363-2020-ATL-F-LRE





Craig Parks, P.E.



Michael Rowe, P.E.
Transportation Director



Table of Contents

Letter of Transmittal	i
Title Page	ii
Table of Contents	1
Bridge Evaluation Criteria	2
Listing of Personnel/ Qualifications / Signature of Team Leaders	5
Priority Schedule for Bridges	7
Recommended Maintenance Items	9
Listing of Posted Bridges	16
Listing of Closed Bridges	17
Listing of Bridges that must be Posted	18
Listing of Bridges that must be Closed	19
Listing of Bridges that Require Posting Corrections	20
Summary of Bridges: New, Rehabilitated and Repaired	21
Summary of Bridges: Added/ Archived	22
Listing of Bridges on the National Highway System	23
Listing of Historical Bridges	24
Summary of Structure Types	25
List of Navigable Waterways	26
Routine Inspection Status	27
Inspection Status of Fracture Critical Bridge Inspections	32
Inspection Status of Underwater/ In-water Inspections	33
Inspection Status of Special Bridge Inspections	34
Summary of Bridges with Increased Frequency Inspections	35
Summary of Changes in Items 92A, 92B, and 92C	36
Inspection Status of Scour Critical Bridges	37
Load Capacity Status	38
Master List - List of Bridges Requiring In-Depth Inspections	43
Work Plan for Inspections and Re-Inspections	44
Summary of Bridges with Excess Wearing Surfaces	45
One Lane and Narrow Bridge Posting Recommendations	46
Structure Inventory and Appraisal Reports	By Bridge Number
NBI Item Descriptions and Glossary	Appendix A
Additional Photo Sheets	Appendix B
Master List & Additional Master List Information	Appendix C
Bridge Inventory Map	Back Cover

BRIDGE EVALUATION CRITERIA

Introduction

This report was prepared in accordance with the “**INDOT BRIDGE INSPECTION MANUAL, 2010**”, the AASHTO “**MANUAL FOR BRIDGE EVALUATION, SECOND EDITION, 2011**”, and the AASHTO “**STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 2002**”, and **ALL INTERIM SPECIFICATIONS**.

Scope

This report includes a generalized, but detailed, appraisal for all public Highway Bridges with a total span of more than twenty feet in Boone County, Indiana, except those bridges maintained by the Indiana Department of Transportation. Bridges located on the North or West borders of Boone County are not included due to a statutory definition of responsibility, which gives the responsibility for these bridges to the adjoining county.

A total of one hundred and ninety bridges (190) are included in this report.

Bridge Numbering System

The bridge numbering system used in this report corresponds with the numbering system used in the Inventory of County Highway Bridges compiled by Indiana LTAP (Local Transportation Assistance Program).

Structural Inventory and Appraisal Sheet

The results of this bridge inspection are recorded on each bridge's individual "Structure Inventory and Appraisal Sheets." The inspection was completed in accordance with the Guidelines and Item Designation as set forth in the Federal Highway Administration Publication "Recording and Coding guide for the Structure Inventory and Appraisal of the Nation's Bridges," published December 1995 and by the Indiana Department of Transportation Bridge Inspection Program “BRAGI Coding Guide, 2011”.

Field Survey

All bridges over twenty feet in span length were located, inspected, and documented on their "Structure Inventory and Appraisal Sheets." A field crew, using the previous reports to compare with the current conditions, inspected all bridges included in this report. New color photos were taken of all structures as well as individual structure items that had a changed condition.

Office Evaluation

After completion of the field inspection, the structures were reviewed in the office. The field data collected was evaluated and compared with the data from the previous Structural Inventory & Appraisals, and condition and appraisal ratings were revised to reflect present conditions.

The Operating Rating and Inventory Rating were calculated based on structure data obtained during this inspection. During the field inspection, the conditions of structural steel, concrete, and wood were compared with new materials and a percentage of section loss was estimated reflecting the current degree of material deterioration. This estimated percentage loss was used in determining the new operating and inventory ratings.

Replacement Priorities and Repair Recommendations

All structures were evaluated for replacement priorities and repair recommendations. The following are among items, which are given important consideration when determining replacement priorities and repair recommendations:

The Average Daily Traffic on a structure measures the importance of a structure to the County transportation system. Therefore, structures which receive high traffic counts were given higher priorities for replacement or repair than those bridges which handle only a few vehicles per day.

The Structural Condition of a bridge helps estimate the length of time the structure can safely carry traffic at its present capacity. Many structures have deteriorated from age, weathering, or other factors to a condition where repairs are not economically feasible, and must eventually be replaced.

Bridge Alignment and Width is a major indicator of the safety of the structure to the traveling public. Factors included are horizontal and vertical alignment to the approaches in relationship to the bridge, bridge width, approach signing and marking, bridge rail, guard rail, and slope protection.

Inventory Load Capacity indicates the safe load that can repeatedly travel over the bridge in its present structural condition. Structures with low load capacities were given higher replacement priorities than those with more adequate ratings.

Waterway Adequacy indicates if the waterway area under the structure is large enough to handle floodwaters. Existing channel alignment in relationship to the substructure is also analyzed.

Replacement Priorities and Repair Recommendations (continued)

Estimated Replacement Cost is important in setting repair recommendations or replacement priorities. Large structures cost a great deal to replace and were recommended for repairs whenever possible; likewise, many small structures were recommended for replacement. Since replacement costs were not that much greater than extensive repair costs, some of these small bridges can be replaced with pipes or pipe arches at a considerable savings over replacement with a conventional bridge. However, this can only be recommended after a complete hydraulic analysis has been completed.

Whenever practical, repair recommendations were given to structures where repairs could significantly increase their life and safety. In many cases, extensive repairs are not feasible since the structures would still be deficient in other aforementioned vital areas.

Rusting is a major problem on any bridge consisting of steel members. The rusting and resulting deterioration of members can greatly decrease structure's future usable life. Cleaning and painting the steel as soon as possible is very important in insuring the longevity of these structures.

LISTING OF BRIDGE INSPECTION PERSONNEL, TITLE, QUALIFICATIONS, AND RESPONSIBILITIES

Name/Title	Experience/ Qualifications	Attended NHI Class	Biennial Inspection	Fracture Critical	Under- water	Special Detail	Load Rating	Responsibilities/Duties
Jon Clodfelter, P.E. Bridge Department Manager	B.S. - Civil Engineering Purdue University Indiana Professional Engineer #19800071 29 Years Experience in Bridge Design and Inspection	X	-	-	-	-	-	General Project Supervision
Brian Frederick, P.E. Project Team Leader IN000134-2020-ATL-F-LRE	B.S. - Civil Engineering Purdue University Indiana Professional Engineer #10300052 22 Years Experience in Bridge Design and Inspection	X	-	-	-	-	-	Inventory Report Q/A
Jim Lesh, P.E. Project Manager IN000363-2020-ATL-F-LRE	M.S. - Civil Engineering Purdue University Indiana Professional Engineer #11400784 10 Years Experience in Bridge Design and Inspection	X	X	X	-	-	X	Project Manager Inspection Team Leader Field Inspection Load Rating QA Report QA
Chris Andrzejewski, P.E. Project Manager IN000331-2020-ATL-F-LRE	B.S. - Civil Engineering Purdue University Indiana Professional Engineer #11600681 9 Years Experience in Bridge Design, Inspection, and Load Rating	X	X	-	-	-	-	Inspection Team Leader Field Inspection
Chris Dyer, P.E. Project Manager IN000278-2020-ATL-F-LRE	B.S. - Civil Engineering Rose Hulman Indiana Professional Engineer #11100053 14 Years Experience in Bridge Design and Inspection	X	X	-	-	-	-	Inspection Team Leader Field Inspection
Scott Minnich, P.E. Senior Project Manager IN000146-2020-ATL-F-LRE	B.S. - Civil Engineering Rose Hulman Indiana Professional Engineer #19800040 28 Years Experience in Bridge Design and Inspection	X	X	-	-	-	-	Inspection Team Leader Field Inspection

**GO TO TABLE
OF CONTENTS**

LISTING OF BRIDGE INSPECTION PERSONNEL, TITLE, QUALIFICATIONS, AND RESPONSIBILITIES

Name/Title	Experience/Qualifications	Attended NHI Class	Biennial Inspection	Fracture Critical	Under-water	Special Detail	Load Rating	Responsibilities/Duties
Braun S. Rodgers, P.E. Construction Manager IN000530-2026-ATL	B.S. - Civil Engineering Purdue University Indiana Professional Engineer #11600321 9 Years Experience in Bridge Construction and Inspection	X	X	-	-	-	-	Inspection Team Leader Field Inspection
Martin Le, E.I. Design Engineer IN000623-2020-ATM	M.S. - Civil Engineering Texas A&M University Texas Engineer Intern #7854 5 Years Experience in Bridge Design, Inspection, and Load Rating	-	X	-	-	-	X	Field Inspection Inspection Team Member Report Coding Load Ratings
Joe Kaiser CAD Designer IN000640-2021-ATM	Ivy Tech AutoCAD Designer 2 Years Experience in Bridge Inspection and Detailing	-	-	-	-	-	-	Inspection Team Member Report Coding

The following Inspection Team Leaders were present and were actively involved in the Field Inspections of bridges in Boone County.



Jim Lesh, P.E.



Scott Minnich, P.E.



Braun S. Rodgers, P.E.



Chris Anderson, P.E.



Chris Dyer, P.E.

GO TO TABLE
OF CONTENTS

PRIORITY SCHEDULE FOR COUNTY BRIDGES
(1) REPLACEMENT (2) REHABILITATION
(3) WIDENING (4) REPAIR (5) ELIMINATE

CATEGORY: 1

Bridge Number	Facility Carried	Feature Intersected	Priority Number	Year of Work	Type of Work	Gross Tons	Sufficiency Rating	Estimated Costs (x \$1,000)		
								Bridge	Roadway	Total
00217	TEMPLIN ROAD	LITTLE EAGLE CREEK	1	2020	31	20	47.6	577	196	974
00161	CR 600S	GRASSY BRANCH	2	2020	31	15	25.7	259	496	953
00154	CR 500W	N FORK BIG WALNUT CREEK	3	2020	31	16	48.4	520	191	900
00174	CR 125E	SMITH DITCH	4	2021	31	8	48.7	212	202	522
00175	CR 350S	SMITH DITCH	5	2021	31	10	55.9	220	202	532
00150	CR 700W	BIG RACCOON CREEK	6	2021	31	12	47.9	273	202	598
00148	CR 600W	BIG RACCOON CREEK	7	2022	31	8	39.5	220	208	540
00310	PARK STREET	PRAIRIE CREEK	8	2022	31	13	78.8	282	208	617
00041	CR 200E	SUGAR CREEK	9	2022	31	10	25.8	1013	676	2252
00162	CR 500S	BETT DITCH	10	2023	31	11	61.3	218	214	545
00084	CR 400E	HEATH & LANE DITCH	11	2023	31	13	42.7	228	214	557
00229	CR 600W	W FORK BIG WALNUT CREEK	12	2023	31	20	64.5	246	214	580
00192	CR 300S	JACKSON RUN	13	2024	31	11	13.0	956	478	1800
00139	CR 875W	WALNUT FORK SUGAR CR	14	2024	31	12	29.3	214	220	549
00070	CR 600E	MOUNTS RUN	15	2024	31	15	51.3	235	220	574
00158	CR 25W	SMITH DITCH	16	2025	31	15	60.9	281	227	640
00086	CR 250E	HEATH & LANE DITCH	17	2025	31	12	48.9	306	227	672
00193	CR 300S	JACKSON RUN	18	2025	31	15	89.5	271	227	628

Total Bridges for Category 1: 18

Estimated Costs for Replacement Projects = \$14,433,000

CATEGORY: 2

Bridge Number	Facility Carried	Feature Intersected	Priority Number	Year of Work	Type of Work	Gross Tons	Sufficiency Rating	Estimated Costs (x \$1,000)		
								Bridge	Roadway	Total
00202	SYCAMORE STREET	EAGLE CREEK AND TRAIL	1	2020	35	25	60.8	1061	319	1859
00311	WILLIAMS STREET	PRAIRIE CREEK	2	2020	35	13	45.3	372	266	857
00044	CR 400E	MUD CREEK	3	2020	35	20	75.5	85	32	128
00019	CR 1075W	GOLDSBERRY CREEK	4	2021	35	20	84.9	66	0	88
00060	CR 1100E	FINLEY CREEK	5	2023	35	20	84.0	70	12	93
00037	CR 825N	BROWN'S WONDER CREEK	6	2024	35	20	97.0	120	48	203
00093	MOUNT ZION ROAD	SANITARY DITCH	7	2025	35	20	98.0	87	25	123
00203	CR 1100E	BIG EAGLE CREEK	8	2027	35	20	82.6	209	241	545

Total Bridges for Category 2: 8

Estimated Costs for Rehabilitation Projects = \$3,896,000

GO TO TABLE OF CONTENTS

PRIORITY SCHEDULE FOR COUNTY BRIDGES
(1) REPLACEMENT (2) REHABILITATION
(3) WIDENING (4) REPAIR (5) ELIMINATE

CATEGORY: 3

Bridge Number	Facility Carried	Feature Intersected	Priority Number	Year of Work	Type of Work	Gross Tons	Sufficiency Rating	Estimated Costs (x \$1,000)		
								Bridge	Roadway	Total

NONE

Total Bridges for Category 3: 0

CATEGORY: 4

Bridge Number	Facility Carried	Feature Intersected	Priority Number	Year of Work	Type of Work	Gross Tons	Sufficiency Rating	Estimated Costs (x \$1,000)		
								Bridge	Roadway	Total
00204	CR 950E	MOUNTS RUN	1	2020	38	16	60.5	15	0	15
00135	CR 550N	WOLF CREEK	2	2021	38	20	80.5	15	0	15
00126	CR 1050W	WALNUT FORK OF SUGAR CR	3	2022	38	20	97.0	10	0	10
00201	OAK ROAD	FISHBACK CREEK	4	2023	38	25	95.9	10	0	10
00165	#N/A	#N/A	5	2024	38	20	72.6	10	0	10
00061	CR 1000E	BIG EAGLE CREEK	6	2025	38	20	59.9	25	0	30
00178	CR 100S	PRAIRIE CREEK	7	2026	38	20	52.6	15	0	15
00185	CR 450E	BRANCH OF FISHBACK CREEK	8	2027	38	20	78.0	20	0	20
00023	CR 650N	PRAIRIE CREEK	9	2028	38	20	83.4	10	0	10

Total Bridges for Category 4: 9

Estimated Costs for Repair Projects = \$135,000

CATEGORY: 5

Bridge Number	Facility Carried	Feature Intersected	Priority Number	Year of Work	Type of Work	Gross Tons	Sufficiency Rating	Estimated Costs (x \$1,000)		
								Bridge	Roadway	Total

NONE

Total Bridges for Category 5: 0

GO TO TABLE OF CONTENTS

BOONE COUNTY
SCHEDULE OF RECOMMENDED MAINTENANCE ITEMS

Bridge Number	Facility Carried	Feature Intersected	Riprap Needed	Clear Vegetation Around Bridge	Clear Bridge Joints, Deck, Gutters, Drains	Regrade Approaches	Clear Debris in Channel	Damaged or Low Guardrail	Remarks
00001	WIND HAVEN LANE	PRAIRIE CREEK		✓					UNTIL REPLACEMENT, RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS, AND CLEARING VEGETATION AROUND BRIDGE.
00008	CR 875N	GOLDSBERRY CREEK					✓		RECOMMEND INSTALLING STANDARD BRIDGE RAILING, APPROACH RAILING AND BRIDGE END MARKERS, CLEARING DEBRIS FROM CHANNEL.
00010	CR 825N	GOLDSBERRY CREEK							NO MAINTENANCE NEEDED.
00011	SUGAR CREEK ROAD	SUGAR CREEK					✓		RECOMMEND INSTALLING CURRENT STANDARD BRIDGE RAILINGS AND BRIDGE END MARKERS AND CLEARING LOGJAM PIER 3.
00012	SUGAR CREEK ROAD	PRAIRIE CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE RAILINGS AND BRIDGE END MARKERS.
00013	CR 550W	BRUSH CREEK							NO MAINTENANCE NEEDED.
00015	CR 700N	SUGAR CREEK		✓			✓		RECOMMEND REMOVING DEBRIS FROM WEST PIER AND CLEARING VEGETATION AROUND BRIDGE.
00017	CR 1075W	SUGAR CREEK					✓		RECOMMEND INSTALLING CURRENT STANDARD BRIDGE RAIL, APPROACH RAIL AND BRIDGE END MARKERS, CLEARING LOGJAM FROM PIERS.
00018	CR 950W	GOLDSBERRY CREEK							NO MAINTENANCE NEEDED.
00019	CR 1075W	GOLDSBERRY CREEK							UNTIL REHABILITATION, RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAIL WITH BRIDGE END MARKERS.
00023	CR 650N	PRAIRIE CREEK			✓				RECOMMEND REMOVING LOGJAM FROM PIER 2, AND CLEAN DECK DRAINS, INSTALL CURRENT STANDARD BRIDGE END MARKERS.
00024	CR 650N	PRAIRIE CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE END MARKERS AT SOUTHWEST, NORTHEAST, AND SOUTHEAST CORNERS.
00027	BLUBAUGH AVE	REAGON RUN					✓		RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING, AND CLEARING DEBRIS FROM CHANNEL.
00028	FRANKFORT AVE	SUGAR CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00029	CR 550W	SPRING CREEK			✓		✓		RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAIL AND BRIDGE END MARKERS, REMOVING LOGJAM UNDER BRIDGE AND CLEANING GUTTERS.
00030	CR 650N	SPRING CREEK							RECOMMEND INSTALL CURRENT STANDARD BRIDGE AND APPROACH RAIL AND BRIDGE END MARKERS, AND FILL IN HOLE AT NORTHEAST QUADRANT.
00031	CR 350W	SPRING CREEK							RECOMMEND INSTALL CURRENT STANDARD BRIDGE END MARKERS AND REPAIR NORTH BRIDGE JOINT.
00032	CR 350W	SUGAR CREEK							NO MAINTENANCE NEEDED.
00035	CR 50W	BROWN'S WONDER CREEK							RECOMMEND INSTALL CURRENT STANDARD BRIDGE AND APPROACH RAIL AND BRIDGE END MARKERS.
00037	CR 825N	BROWN'S WONDER CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00041	CR 200E	SUGAR CREEK	✓						UNTIL REPLACEMENT, RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING, FILLING SCOUR HOLE AT UPSTREAM PIER 3, AND PLACING RIPRAP TO PROTECT FOOTINGS FROM EROSION.
00043	CR 850N	MUD CREEK							RECOMMEND PLACING CURRENT STANDARD BRIDGE AND APPROACH RAIL WITH BRIDGE END MARKERS.
00044	CR 400E	MUD CREEK				✓			RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS, AND MILL AND OVERLAY WITH WATERPROOF MEMBRANE.
00045	CR 675N	MUD CREEK	✓			✓			RECOMMEND ADDING RIPRAP TO PIERS, INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS, AND INSTALL NEW WEARING SURFACE WITH WATERPROOFING MEMBRANE.
00046	CR 750N	MUD CREEK				✓			RECOMMEND INSTALLING CURRENT STANDARD BRIDGE RAIL AND APPROACH RAIL AND BRIDGE END MARKERS, AND PLACING BITUMINOUS WEARING SURFACE WITH WATERPROOF MEMBRANE.
00047	CR 500E	MUD CREEK		✓			✓		RECOMMEND INSTALLING CURRENT STANDARD BRIDGE RAIL AND APPROACH RAIL AND BRIDGE END MARKERS, REMOVING LARGE LOGJAM FROM PIER2, REPAIR GUARDRAIL ANCHORS AT SOUTHWEST CORNER, AND REMOVE VEGETATION FROM PIER JOINTS AND SEALING THE JOINTS.
00048	CR 550E	CARROLL DITCH							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00049	CALDWELL ROAD	BROWN'S WONDER CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.

GO TO TABLE OF CONTENTS

BOONE COUNTY
SCHEDULE OF RECOMMENDED MAINTENANCE ITEMS

Bridge Number	Facility Carried	Feature Intersected	Riprap Needed	Clear Vegetation Around Bridge	Clear Bridge Joints, Deck, Gutters, Drains	Regrade Approaches	Clear Debris in Channel	Damaged or Low Guardrail	Remarks
00051	CR 1200E	BRANCH OF BIG EAGLE CR.							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00052	CR 1200E	BIG EAGLE CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00053	CR 900E	STOKER DITCH							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE END MARKERS.
00054	CR 950E	STOKER DITCH							RECOMMEND REPLACING MISSING AND DAMAGED BRIDGE END MARKERS.
00055	CR 1200E	FINLEY CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00056	CR 1200E	KREAGER DITCH							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING
00057	CR 300N	BIG EAGLE CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00058	CR 1100E	BIG EAGLE CREEK							RECOMMEND REPLACING MISSING NORTHEAST BRIDGE END MARKER.
00059	CR 1100E	KREAGER DITCH	✓						RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS , AND PLACING RIPRAP ALONG SOUTH ABUTMENT.
00060	CR 1100E	FINLEY CREEK	✓	✓					RECOMMEND ADDING RIPRAP TO BENTS, CLEARING VEGETATION FROM SHOULDERS, INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH A BRIDGE END MARKER TO SOUTHWEST.
00061	CR 1000E	BIG EAGLE CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING.
00062	CR 500N	BIG EAGLE CREEK							RECOMMEND REPLACING MISSING BRIDGE END MARKERS.
00063	CR 400N	BIG EAGLE CREEK				✓			RECOMMEND INSTALLING WEARING SURFACE WITH WATERPROOFING MEMBRANE, INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS, AND REPLACE TRANSVERSE TIE ROD.
00064	CR 200N	KREAGER DITCH							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS, AND CLEANING AND PAINTING PILES.
00066	CR 200N	BIG EAGLE CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING.
00067	CR 100N	FINLEY CREEK							RECOMMEND TIGHTENING SPREADER BOLTS AND INSTALLING BRIDGE END MARKERS.
00068	CR 100N	BIG EAGLE CREEK		✓					RECOMMEND CLEARING VEGETATION OVER APPROACH AND BRIDGE RAILING.
00069	CR 600E	MOUNTS RUN							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00070	CR 600E	MOUNTS RUN							UNTIL REPLACEMENT, RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKER AT NORTHWEST CORNER, AND REPAIRING LOAD POSTING SIGN SOUTH OF BRIDGE.
00071	CR 700E	MOUNTS RUN					✓		RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS, AND REMOVE CATTLE FENCE FROM UPSTREAM.
00072	CR 100N	HEATH & LANE DITCH					✓		RECOMMEND REMOVING CATTLE FENCE.
00082	CR 450N	BROWN'S WONDER CREEK					✓		RECOMMEND PAINTING PILES, REMOVING DAM UPSTREAM FROM BRIDGE, PATCHING SPALLED AREAS OF NORTH COPING BEAM IN WEST SPAN, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00083	CR 250E	BROWN'S WONDER CREEK	✓						RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING AND BRIDGE END MARKERS, AND PLACING RIPRAP ALONG BOTH ABUTMENTS.
00084	CR 400E	HEATH & LANE DITCH		✓					UNTIL REPLACEMENTCLEARING VEGETATION FROM AROUND BRIDGE AND CHANNEL, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING.
00085	CR 350N	BROWN'S WONDER CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00086	CR 250E	HEATH & LANE DITCH							UNTIL REPLACEMENT, RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILINGS.
00087	CR 200N	HEATH & LANE DITCH							UNTIL REPLACEMENT, RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING AND BRIDGE END MARKERS.
00088	CR 300E	HEATH & LANE DITCH		✓					RECOMMEND CLEARING VEGETATION FROM CHANNEL, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING AND BRIDGE END MARKERS.
00089	ELIZAVILLE ROAD	BROWN'S WONDER CREEK		✓					RECOMMEND REMOVE TREE UNDER BRIDGE.

GO TO TABLE OF CONTENTS

BOONE COUNTY
SCHEDULE OF RECOMMENDED MAINTENANCE ITEMS

Bridge Number	Facility Carried	Feature Intersected	Riprap Needed	Clear Vegetation Around Bridge	Clear Bridge Joints, Deck, Gutters, Drains	Regrade Approaches	Clear Debris in Channel	Damaged or Low Guardrail	Remarks
00091	ELIZAVILLE AVE	BROWN'S WONDER CREEK	✓						RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS, AND FILLING IN EROSION UNDER END BENTS.
00092	MOUNT ZION ROAD	SANITARY DITCH	✓	✓					UNTIL REPLACEMENT, RECOMMEND ADDING RIPRAP TO ABUTMENTS, CLEARING VEGETATION FROM UNDER BRIDGE, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS TO THE NORTHEAST AND NORTHWEST CORNERS.
00093	MOUNT ZION ROAD	SANITARY DITCH							UNTIL REHABILITATION, RECOMMEND REPAIRING GUARDRAIL.
00094	ENTERPRISE BLVD	SANITARY DITCH							NO MAINTENANCE NEEDED.
00095	SAM RALSTON ROAD	PRAIRIE CREEK							NO MAINTENANCE NEEDED.
00096	DEAD END AVENUE	PRAIRIE CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00097	HAZELRIGG ROAD	DEER CREEK	✓				✓		UNTIL REPLACEMENT, RECOMMEND ADDING RIPRAP TO ABUTMENTS, AND REMOVING CATTLE FENCES FROM CHANNEL, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING, AND INSTALLING TRANSVERSE TIE-ROD AND BRIDGE END MARKERS.
00099	CR 400N	DEER CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00100	CR 450N	PRAIRIE CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00102	CR 150W	SPRING CREEK					✓		RECOMMEND REMOVING DEBRIS AT PIPE INLETS AND SOUTH PIPE.
00103	CR 500N	SPRING CREEK							RECOMMEND PLACING FLOWABLE FILL UNDER END BENTS.
00105	CR 275W	SPRING CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND RAILINGS WITH BRIDGE END MARKERS.
00106	CR 350W	PRAIRIE CREEK							RECOMMEND INSTALLING CURRENT STANDARD APPROACH RAILING WITH BRIDGE END MARKERS.
00107	CR 500W	PRAIRIE CREEK	✓						RECOMMEND INSTALLING RIPRAP AT END BENTS AND BRIDGE END MARKERS.
00108	CR 500W	WOLF CREEK	✓						RECOMMEND ADDING RIPRAP TO PIERS, PATCHING SPALLS IN SLAB, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING.
00109	CR 600W	WOLF CREEK					✓		UNTIL REPLACEMENT, RECOMMEND REMOVING CATTLE FENCE FROM CHANNEL, INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS, AND GROUTING ENDS OF TIE-RODS.
00110	CR 450N	DEER CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILINGS WITH BRIDGE END MARKERS.
00111	CR 400W	WOLF CREEK	✓						RECOMMEND UNDERPIN NORTHEAST CORNER OF NEW ABUTMENT CAP, REMOVE RIPRAP FROM CHANNEL AND PLACE AT EACH CORNER, AND INSTALL CURRENT STANDARD BRIDGE AND APPROACH RAILINGS WITH BRIDGE END MARKERS.
00112	CR 200N	WOLF CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00113	CR 700W	LITTLE SUGAR CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILINGS WITH BRIDGE END MARKERS.
00114	CR 675W	WOLF CREEK	✓				✓		RECOMMEND REMOVING CATTLE FENCE FROM WEST COPING, REMOVE LOGS FROM UNDER BRIDGE, AND ADD RIPRAP TO BENTS, AND INSTALL CURRENT STANDARD BRIDGE AND APPROACH RAILINGS WITH BRIDGE END MARKERS.
00115	CR 350N	WOLF CREEK					✓		RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAIL AND BRIDGE END MARKERS, AND REMOVING CATTLE FENCE FROM CHANNEL.
00116	CR 350N	WILEY CREEK	✓				✓		UNTIL REPLACEMENT, RECOMMEND ADDING RIPRAP TO EAST ABUTMENT, REMOVING CATTLE FENCE FROM UPSTREAM, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING.
00117	CR 1000W	LITTLE SUGAR CREEK	✓			✓			RECOMMEND ADDING RIPRAP TO ABUTMENTS, INSTALLING TIE-ROD, INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING, AND REPAIRING BRIDGE END MARKERS IN NORTHEAST AND SOUTHWEST CORNERS, INSTALLING NEW WEARING SURFACE WITH WATERPROOFING MEMBRANE.
00124	CR 1175W	WALNUT FORK OF SUGAR CR	✓				✓		RECOMMEND INSTALLING RIPRAP AT BENTS AND PIER, REMOVE FENCE AT NORTH COPING, REMOVE SAND BAR IN SOUTH SPAN, AND INSTALL CURRENT STANDARD BRIDGE AND APPROACH RAILINGS WITH BRIDGE END MARKERS.

GO TO TABLE OF CONTENTS

BOONE COUNTY
SCHEDULE OF RECOMMENDED MAINTENANCE ITEMS

Bridge Number	Facility Carried	Feature Intersected	Riprap Needed	Clear Vegetation Around Bridge	Clear Bridge Joints, Deck, Gutters, Drains	Regrade Approaches	Clear Debris in Channel	Damaged or Low Guardrail	Remarks
00125	CR 1100W	WALNUT FORK	✓			✓			RECOMMEND PLACING RIPRAP AT ABUTMENTS, INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAIL AND BRIDGE END MARKERS, INSTALLING WEARING SURFACE AND WATERPROOFING MEMBRANE.
00126	CR 1050W	WALNUT FORK OF SUGAR CR							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAIL.
00127	CR 950W	WALNUT FORK OF SUGAR CR					✓		RECOMMEND REMOVING DRIFT WOOD FROM INLET, AND INSTALLING BRIDGE END MARKER AT SOUTHEAST CORNER.
00130	CR 1000W	DIXON CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAIL WITH BRIDGE END MARKERS.
00131	CR 1175W	LITTLE SUGAR CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE END MARKERS, AND STANDARD GUARD RAILING.
00132	CR 200N	LITTLE SUGAR CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE END MARKERS, AND INSTALLING STANDARD GUARD RAILING.
00133	CR 900W	LITTLE SUGAR CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00134	CR 900W	WOLF CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00135	CR 550N	WOLF CREEK					✓		RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAIL AND BRIDGE END MARKERS, AND REMOVE LOGJAM ON PIERS.
00136	CR 550N	DIXON CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING.
00137	CR 400N	WOLF CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00138	CR 450N	DIXON CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILINGS WITH BRIDGE END MARKERS.
00139	CR 875W	WALNUT FORK SUGAR CR	✓						UNTIL REPLACEMENT, RECOMMEND ADDING RIPRAP TO ABUTMENTS, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS, ALL EXISTING BRIDGE END MARKERS HAVE COLLISION DAMAGE.
00140	CR 100S	WALNUT FORK OF SUGAR CR					✓		RECOMMEND REMOVE DRIFT WOOD AM AT NORTH COPING, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILINGS.
00142	CR 500S	WELLS DITCH							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILINGS WITH BRIDGE END MARKERS.
00143	CR 500S	BIG RACCOON CREEK	✓						RECOMMEND ADDING RIPRAP TO PIERS, PATCHING SPALLS IN SLAB, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00144	CR 900W	BIG RACCOON CREEK							NO MAINTENANCE NEEDED.
00147	CR 300S	BIG RACCOON CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE END MARKERS.
00148	CR 600W	BIG RACCOON CREEK		✓					UNTIL REPLACEMENT, RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING, AND CLEARING VEGETATION FROM BRIDGE END MARKERS.
00149	CR 700W	COOK DITCH							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILINGS WITH BRIDGE END MARKERS.
00150	CR 700W	BIG RACCOON CREEK	✓						UNTIL REPLACEMENT, RECOMMEND ADDING RIPRAP TO ABUTMENTS, INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING, REPAIRING BRIDGE END MARKERS AT SOUTHEAST AND SOUTHWEST CORNERS AND RAISE ALL BRIDGE END MARKERS, REPAIR NORTHWEST LOAD POSTING SIGN.
00154	CR 500W	N FORK BIG WALNUT CREEK		✓					UNTIL REPLACEMENT, RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS AND CLEARING VEGETATION AROUND BRIDGE END MARKERS.
00155	CR 425W	EDLIN DITCH					✓		RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILINGS WITH BRIDGE END MARKERS, AND REMOVING TREE FROM UNDER BRIDGE.
00158	CR 25W	SMITH DITCH	✓	✓					UNTIL REPLACEMENT, RECOMMEND ADDING RIPRAP TO ABUTMENTS, CLEARING VEGETATION FROM AROUND BRIDGE, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00159	CR 400 S	SMITH DITCH							RECOMMEND INSTALLING BRIDGE END MARKERS IN SOUTHWEST AND SOUTHEAST QUADRANTS.
00160	CR 700S	WILEY THOMPSON DITCH							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILINGS WITH BRIDGE END MARKERS.

GO TO TABLE OF CONTENTS

BOONE COUNTY
SCHEDULE OF RECOMMENDED MAINTENANCE ITEMS

Bridge Number	Facility Carried	Feature Intersected	Riprap Needed	Clear Vegetation Around Bridge	Clear Bridge Joints, Deck, Gutters, Drains	Regrade Approaches	Clear Debris in Channel	Damaged or Low Guardrail	Remarks
00161	CR 600S	GRASSY BRANCH	✓						UNTIL REPLACEMENT, RECOMMEND REPAIRING TOE WALLS, AND ADDING RIPRAP TO ABUTMENTS, REMOVING EXCESSIVE BITUMINOUS DEAD LOAD, INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING, AND REPAIRING AND RAISING BRIDGE END MARKERS, REPLACING GUARD RAILING TO REMOVE POCKETS, REPLACING LOAD POSTING SIGN AT EAST APPROACH.
00162	CR 500S	BETT DITCH	✓	✓					UNTIL REPLACEMENT, RECOMMEND CLEARING VEGETATION FROM BRIDGE AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING, ADD RIPRAP TO ABUTMENTS.
00164	CR 550S	N FORK BIG WALNUT CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS, REPLACE LOAD POSTING SIGN AT SOUTHWEST CORNER.
00165	CR 550S	EDLIN DITCH	✓			✓			RECOMMEND ADDING RIPRAP TO BENTS AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS, INSTALLING NEW WEARING SURFACE WITH WATERPROOFING MEMBRANE.
00166	MDL JAMESTOWN RD	CUNNINGHAM DITCH	✓						UNTIL REPLACEMENT, RECOMMEND ADDING RIPRAP TO ABUTMENTS, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING, AND REPAIRING AND PROTECTING THE BEAM SEAT AT SOUTHWEST CORNER.
00168	ELDIN ROAD	EDLIN DITCH	✓						RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS, PLACE RIPRAP AT SOUTHEAST ABUTMENT.
00174	CR 125E	SMITH DITCH	✓	✓					UNTIL REPLACEMENT, RECOMMEND ADDING RIPRAP TO BENTS, CLEARING VEGETATION FROM UNDER BRIDGE, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING, AND REPAIRING DAMAGED BRIDGE END MARKERS.
00175	CR 350S	SMITH DITCH	✓	✓					UNTIL REPLACEMENT, RECOMMEND ADDING RIPRAP TO BENTS, CLEARING VEGETATION FROM UNDER BRIDGE, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING, AND REPLACING LOAD POSTING SIGN AT APPROACH AND DAMAGED BRIDGE END MARKERS.
00177	CR 300E	WHITE LICK CREEK	✓						RECOMMEND INSTALLING CURRENT STANDARD BRIDGE END MARKERS, AND REPAIR RIPRAP.
00178	CR 100S	PRAIRIE CREEK	✓	✓					RECOMMEND ADDING RIPRAP TO ABUTMENTS, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS, CLEARING VEGETATION AROUND STRUCTURE.
00179	CR 575E	FISHBACK CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS, AND PAINT PILES.
00180	CR 500E	FISHBACK CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS, AND PAINT STEEL PILES.
00181	CR 400S	FISHBACK CREEK							RECOMMEND CUT OFF TIMBER PILES TO 2 FOOT BELOW GRADE.
00182	CR 650E	FISHBACK CREEK	✓	✓					RECOMMEND ADDING RIPRAP TO PIERS, INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING, AND CLEARING VEGETATION AROUND BRIDGE.
00184	CR 450E	FISHBACK CREEK							RECOMMEND INSTALLING BRIDGE END MARKERS.
00185	CR 450E	BRANCH OF FISHBACK CREEK	✓	✓	✓				RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAIL AND BRIDGE END MARKERS, CLEAR VEGETATION, PLACE RIPRAP AT ABUTMENTS, AND REMOVE EXCESS GRAVEL FROM DECK.
00186	CR 500S	FISHBACK CREEK							NO MAINTENANCE NEEDED.
00189	CR 300S	BIG EAGLE CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILINGS.
00190	400 S/300 S CONNEC	JACKSON RUN							NO MAINTENANCE NEEDED.
00192	CR 300S	JACKSON RUN	✓						UNTIL REPLACEMENT, RECOMMEND ADDING RIPRAP ALONG EAST BENTS, INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING, INSTALLING LOAD POSTING SIGN ON WEST END OF BRIDGE, AND INSTALLING BRIDGE END MARKER AT NORTHWEST CORNER.
00193	CR 300S	JACKSON RUN							UNTIL REPLACEMENT, INSTALL CURRENT STANDARD BRIDGE AND APPROACH RAIL AND INSTALL LOAD POSTING SIGN AT EAST APPROACH.
00194	CR 300S	BRANCH OF FISHBACK CREEK							RECOMMEND POSTING BRIDGE END MARKERS
00195	CR 200S	LENNOX DITCH							RECOMMEND REMOVING EXCESS WEARING SURFACE, AND INSTALLING STANDARD BRIDGE AND APPROACH RAILING AND BRIDGE END MARKERS.
00196	CR 200S	BIG EAGLE CREEK			✓				RECOMMEND CLEANING DECK DRAINS.

GO TO TABLE OF CONTENTS

BOONE COUNTY
SCHEDULE OF RECOMMENDED MAINTENANCE ITEMS

Bridge Number	Facility Carried	Feature Intersected	Riprap Needed	Clear Vegetation Around Bridge	Clear Bridge Joints, Deck, Gutters, Drains	Regrade Approaches	Clear Debris in Channel	Damaged or Low Guardrail	Remarks
00198	CR 900E	MOUNTS RUN	✓						RECOMMEND PLACING RIPRAP ON SOUTHWEST UPSTREAM BANK AND NORTH FACE OF SOUTH PIER, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00199	CR 800E	MOUNTS RUN							RECOMMEND REPLACING TIE RODS , AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING.
00200	OAK STREET	IRISHMAN RUN		✓					RECOMMEND REMOVING TREES OVER ARCH.
00201	OAK ROAD	FISHBACK CREEK		✓	✓		✓		RECOMMEND CLEARING DEBRIS AND VEGETATION AROUND BRIDGE, REPAIRING DETERIORATED DECK JOINTS.
00202	SYCAMORE STREET	EAGLE CREEK AND TRAIL	✓						UNTIL REHABILITATION, RECOMMEND PATCHING BEAMS, ADDING RIPRAP TO UNDERMINED WEST BENT, AND INSTALLING CURRENT STANDARD BRIDGE RAILING.
00203	CR 1100E	BIG EAGLE CREEK							UNTIL REHABILITATION, RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS, EXTENDING DECK DRAINS BELOW BEAMS.
00204	CR 950E	MOUNTS RUN							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS, REPAIRING BRIDGE RAILING CONNECTIONS AT SOUTHEAST CORNER AT WINGWALL, REPAIRING DAMAGED BRIDGE RAILING.
00205	CR 100S	BIG EAGLE CREEK	✓			✓			RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS, ADDING WEARING SURFACE WITH WATERPROOFING MEMBRANE, AND ADDING RIPRAP TO ABUTMENTS.
00207	O'NEAL ROAD	BIG EAGLE CREEK							NO MAINTENANCE NEEDED.
00208	CR 700E	FISHBACK CREEK							NO MAINTENANCE NEEDED.
00210	CR 550S	FISHBACK CREEK		✓					RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING, AND CLEARING VEGETATION AROUND BRIDGE.
00211	KISSEL ROAD	FISHBACK CREEK	✓						RECOMMEND PLACING RIPRAP AT INLET.
00212	KISSEL ROAD	FISHBACK CREEK	✓	✓					RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING, AND PLACING RIPRAP TO PIERS, CLEARING VEGETATION AROUND BRIDGE END MARKERS.
00215	HUNT CLUB ROAD	IRISHMAN RUN							RECOMMEND TIGHTENING BOLTS AT MIDSPAN BEAM.
00216	HUNT CLUB ROAD	FISHBACK CREEK	✓	✓					RECOMMEND ADDING RIPRAP TO PIERS, AND CLEARING VEGETATION AROUND BRIDGE, AND GROUTING ENDS OF TIE-RODS, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00217	TEMPLIN ROAD	LITTLE EAGLE CREEK	✓						UNTIL REPLACEMENT, RECOMMEND ADDING RIPRAP TO BENTS, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING.
00219	ZIONSVILLE ROAD	EAGLE CREEK					✓		RECOMMEND POSTING BRIDGE END MARKERS, AND CLEARING DEBRIS FROM CHANNEL.
00220	FORD ROAD	EAGLE CREEK							RECOMMEND POSTING BRIDGE END MARKERS
00221	CR 750S	ETTER DITCH							RECOMMEND INSTALLING CURRENT BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00222	CR 750S	WHITE LICK CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00225	CR 1050W	BIG RACCOON CREEK		✓					RECOMMEND REMOVING VEGETATION ON UNDERSIDE STRUCTURE, AND POSTING BRIDGE END MARKERS.
00227	CR 800S	W FORK BIG WALNUT CREEK	✓				✓		RECOMMEND ADDING RIPRAP TO PIERS, REMOVING CATTLE FENCE UNDER BRIDGE, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00228	CR 600W	EDLIN DITCH							RECOMMEND POSTING BRIDGE END MARKERS IN ALL 4 QUADRANTS
00229	CR 600W	W FORK BIG WALNUT CREEK	✓						UNTIL REPLACEMENT, RECOMMEND PLACING RIPRAP TO ABUTMENTS AND EMBANKMENT AT NORTHEAST CORNER, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00230	CR 675W	W FORK BIG WALNUT CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00231	CR 1050W	LITTLE SUGAR CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00239	CR 200E	WILEY THOMPSON DITCH							NO MAINTENANCE NEEDED.
00257	BLOOR LANE	ZIONSVILLE TRAIL/DITCH							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS, AND PATCHING SUBSTRUCTURE.
00268	CR 750S	ROSS DITCH							RECOMMEND POSTING MISSING NORTHEAST BRIDGE END MARKERS.

GO TO TABLE OF CONTENTS

BOONE COUNTY
SCHEDULE OF RECOMMENDED MAINTENANCE ITEMS

Bridge Number	Facility Carried	Feature Intersected	Riprap Needed	Clear Vegetation Around Bridge	Clear Bridge Joints, Deck, Gutters, Drains	Regrade Approaches	Clear Debris in Channel	Damaged or Low Guardrail	Remarks
00273	CR 500W	EDLIN DITCH							RECOMMEND POSTING MISSING SOUTHEAST BRIDGE END MARKER.
00278	PERRY-WORTH ROAD	PRAIRIE CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00283	INDIANAPOLIS AVE.	PRAIRIE CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00284	INDIANAPOLIS AVE.	PRAIRIE CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00285	CR 200S	BRANCH OF WALNUT FORK	✓				✓		UNTIL REPLACEMENT, RECOMMEND ADDING RIPRAP TO ABUTMENTS AND NORTHEAST EMBANKMENT, AND REMOVING CATTLE FENCES FROM CHANNEL, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING, REMOVING LARGE ROCKS AT SOUTH SIDE SO IT NO LONGER DIVERTS FLOW TO WEST ABUTMENT.
00287	PERRY-WORTH ROAD	PRAIRIE CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00300	PATTERSON STREET	PRAIRIE CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00301	LAFAYETTE AVENUE	PRAIRIE CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00302	CHICAGO STREET	PRAIRIE CREEK							RECOMMEND INSTALLING CURRENT STANDARD APPROACH RAILING WITH BRIDGE END MARKERS.
00304	W BUSBY STREET	PRAIRIE CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00305	N WEST STREET	PRAIRIE CREEK							RECOMMEND INSTALLING CURRENT STANDARD APPROACH RAILING WITH BRIDGE END MARKERS.
00306	ROYAL STREET	PRAIRIE CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00307	N MERIDIAN STREET	PRAIRIE CREEK							RECOMMEND INSTALLING CURRENT STANDARD APPROACH RAILING WITH BRIDGE END MARKERS.
00308	N EAST STREET	PRAIRIE CREEK							RECOMMEND INSTALLING CURRENT STANDARD APPROACH RAILING WITH BRIDGE END MARKERS.
00309	E FORDICE STREET	PRAIRIE CREEK							RECOMMEND INSTALLING CURRENT STANDARD APPROACH RAILING WITH BRIDGE END MARKERS AND TREATMENTS.
00310	PARK STREET	PRAIRIE CREEK							UNTIL REPLACEMENT, RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS, AND PATCHING SPALLS IN UNDERSIDE OF DECK, AND REPAIRING SIDEWALK BUMPS AT CORNERS OF BRIDGE.
00311	WILLIAMS STREET	PRAIRIE CREEK							UNTIL REPLACEMENT, RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS, AND REPAIRING HOLE AT EAST SLOPE WALL, AND CORRECTING SIDEWALK ELEVATION DISCREPANCIES FOR ADA COMPLIANCE.
00312	GRANT STREET	PRAIRIE CREEK							NO MAINTENANCE NEEDED.
00313	E WASHINGTON ST.	PRAIRIE CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKERS.
00314	MAIN STREET	PRAIRIE CREEK							RECOMMEND INSTALLING CURRENT STANDARD APPROACH RAILING WITH BRIDGE END MARKERS AND END TREATMENTS.
00315	GARFIELD STREET	SMALL REYNOLDS DITCH							NO MAINTENANCE NEEDED.
00400	CR 750N	BROWN'S WONDER CREEK					✓		RECOMMEND REMOVING DEBRIS FROM CHANNEL, AND POSTING BRIDGE END MARKERS.
00401	CR 300S	JACKSON RUN	✓				✓		RECOMMEND REMOVING DEBRIS FROM CHANNEL, AND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING WITH BRIDGE END MARKER IN NORTHWEST CORNER, AND PLACING RIPRAP AT BENTS AND PIER.
00402	WILLOW ROAD	LITTLE EAGLE CREEK							NO MAINTENANCE NEEDED.
00403	IRISHMANS RUN LANE	IRISHMANS RUN							RECOMMEND INSTALLING CURRENT STANDARD APPROACH RAILING.
00404	MAYFIELD LANE	LONG BRANCH CREEK							RECOMMEND INSTALLING CURRENT STANDARD BRIDGE AND APPROACH RAILING, AND REPAIRING ERODED CHANNEL BANKS.
00405	ROCK BRIDGE DRIVE	UNAMED DITCH							NO MAINTENANCE NEEDED.
00594	CR 700E	BRANCH OF MOUNTS RUN					✓		RECOMMEND REMOVING DEBRIS FROM BETWEEN PIPES, AND POSTING BRIDGE END MARKERS.
00595	PERFORMANCE WAY	WHITELICK DITCH		✓					RECOMMEND CLEARING VEGETATION FROM CHANNEL.

GO TO TABLE OF CONTENTS

LIST OF LOAD POSTED BRIDGES

Bridge Number	Facility Carried	Feature Intersected	Location	Tons Posted	Date Posted
06-00001	WIND HAVEN LANE	PRAIRIE CREEK	00.01 E I-65	15	03/01/1992
06-00027	BLUBAUGH AVE	REAGON RUN	00.90 W OF CR 200W	15	03/07/2014
06-00041	CR 200E	SUGAR CREEK	00.01 N OF CR 950 N	10	04/01/1983
06-00070	CR 600E	MOUNTS RUN	00.30 N OF CR 200 N	15	09/01/1983
06-00084	CR 400E	HEATH & LANE DITCH	00.70 N OF CR 100 N	13	01/18/2016
06-00086	CR 250E	HEATH & LANE DITCH	00.30 N OF CR 200N	12	08/01/1999
06-00087	CR 200N	HEATH & LANE DITCH	00.50 W OF CR 400E	15	06/01/1984
06-00092	MOUNT ZION ROAD	SANITARY DITCH	00.30 E OF CR200W	12	06/01/1983
06-00102	CR 150W	SPRING CREEK	00.05 S OF CR 500N	15	01/01/1986
06-00109	CR 600W	WOLF CREEK	00.80 N OF CR 200N	15	10/01/1997
06-00116	CR 350N	WILEY CREEK	00.30 W OF SR 75	15	10/01/1987
06-00139	CR 875W	WALNUT FORK SUGAR CR	00.90 N OF CR 100 S	12	07/01/1995
06-00148	CR 600W	BIG RACCOON CREEK	00.50 N OF CR 300S	08	02/01/2002
06-00150	CR 700W	BIG RACCOON CREEK	00.35 N OF CR 425S	12	08/01/1999
06-00158	CR 25W	SMITH DITCH	00.20 N OF CR 450S	15	01/01/1986
06-00161	CR 600S	GRASSY BRANCH	00.15 E OF SR 39	15	08/01/1999
06-00162	CR 500S	BETT DITCH	00.19 W OF CR 100E	11	04/08/2014
06-00164	CR 550S	N FORK BIG WALNUT CREEK	00.25 E OF CR500W	15	01/01/1986
06-00166	MDL JAMESTOWN RD	CUNNINGHAM DITCH	00.30 N OF CR 400 S	12	02/01/2002
06-00174	CR 125E	SMITH DITCH	00.60 N OF CR 400S	08	09/01/1983
06-00175	CR 350S	SMITH DITCH	00.10 W OF CR 125E	10	07/01/1985
06-00192	CR 300S	JACKSON RUN	00.65 W OF CR 875 E	11	01/19/2016
06-00193	CR 300S	JACKSON RUN	00.30 W OF CR 700E	15	01/01/1986
06-00208	CR 700E	FISHBACK CREEK	00.24 N OF CR 550S	15	01/01/1986
06-00285	CR 200S	BRANCH OF WALNUT FORK	00.40 W OF CR 1100 W	15	10/01/1987
06-00310	PARK STREET	PRAIRIE CREEK	00.02 S OF FORDICE STREET	13	02/01/2002
06-00311	WILLIAMS STREET	PRAIRIE CREEK	00.25 E OF PARK STREET	13	03/26/2014

Total Bridges Posted: 27

**GO TO TABLE
OF CONTENTS**

LIST OF CLOSED BRIDGES

Bridge Number	Facility Carried	Feature Intersected	Location	Tons Posted	Date Posted
06-00207	O'NEAL ROAD	BIG EAGLE CREEK	00.90 W OF US 421		12/04/2017

Total Bridges Closed: 1

**GO TO TABLE
OF CONTENTS**

LIST OF BRIDGES THAT MUST BE POSTED

Bridge Number	Facility Carried	Feature Intersected	Location	Required Posting	Date Posted
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Total Bridges That Must Be Posted: 0

**GO TO TABLE
OF CONTENTS**

LIST OF BRIDGES THAT MUST BE CLOSED

Bridge Number	Facility Carried	Feature Intersected	Location	Tons Posted	Date Posted
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Total Bridges That Must Be Closed: 0

**GO TO TABLE
OF CONTENTS**

LISTING OF BRIDGES THAT REQUIRE POSTING CORRECTIONS

Bridge Number	Facility Carried	Feature Intersected	Location	Required Posting Tons	Current Tons Posted
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Total Bridges With Posting Revisions: 0

**GO TO TABLE
OF CONTENTS**

**SUMMARY OF BRIDGES
(1) NEW AND (2) REHABILITATED**

Bridge Number	NBI Number	Facility Carried	Feature Intersected	Location	Year of Work
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CATEGORY: 1

06-00072 B	0600223	CR 100N	HEATH & LANE DITCH	00.25 W OF CR 500 E	2018
06-00159 B	0600221	CR 400 S	SMITH DITCH	00.10 E OF CR50 E	2017
06-00190	0600222	400 S/300 S CONNEC	JACKSON RUN	0.20 S CR E 300 S	2018

Total Bridges for Category 1 : 3

CATEGORY: 2

06-00011	0600005	SUGAR CREEK ROAD	SUGAR CREEK	00.80 N OF SR 47	2017
06-00012	0600006	SUGAR CREEK ROAD	PRAIRIE CREEK	00.77 N OF SR 47	2017
06-00032	0600022	CR 350W	SUGAR CREEK	00.30 S OF CR 850 N	2018
06-00207	0600140	O'NEAL ROAD	BIG EAGLE CREEK	00.90 W OF US 421	2019
06-00219	0600147	ZIONSVILLE ROAD	EAGLE CREEK	00.15 S OF OAK STREET	2018

Total Bridges for Category 2 : 5

**GO TO TABLE
OF CONTENTS**

SUMMARY OF BRIDGES
(1) ADDED, (2) ARCHIVED/DELETED

Bridge Number	Facility Carried	Feature Intersected	Location	Year Built	NBI Number
CATEGORY: 1					
06-00159 B	CR 400 S	SMITH DITCH	00.10 E OF CR50 E	2017	0600221
06-00190	400 S/300 S CONNEC	JACKSON RUN	0.20 S CR E 300 S	2018	0600222
06-00072 B	CR 100N	HEATH & LANE DITCH	00.25 W OF CR 500 E	2018	0600223

Total Bridges for Category 1 : 3

CATEGORY: 2

06-00303 Archived	N JAMESON STREET	PRAIRIE CREEK	00.05 N OF CHICAGO ST.	1920	0600171
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Total Bridges for Category 2 : 1

LISTING OF BRIDGES WITH INVENTORY
ROUTES ON THE NATIONAL HIGHWAY SYSTEM

Bridge Number	Facility Carried	Feature Intersected	Location
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Total Bridges On NHS: 0

**GO TO TABLE
OF CONTENTS**

LISTING OF HISTORICAL STRUCTURES
 (1) ON NATIONAL REGISTER OF HISTORIC PLACES
 (2) ELIGIBLE FOR NATIONAL REGISTER OF HISTORIC PLACES
 (3) POSSIBLY ELIGIBLE FOR NATIONAL REGISTER OF HISTORIC PLACES

Bridg No.	Year Built	NBI43A - Kind of Material and/or Design	NBI43B - Type of Design and/or Construction	Location	Features Intersected
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CATEGORY: 1

06-00041	1901	8 - Masonry	11 - Arch - Deck	00.01 N OF CR 950 N	SUGAR CREEK
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Total Bridges for Category 1 : 1

CATEGORY: 2

06-00032	1910	3 - Steel	10 - Truss - Thru	00.30 S OF CR 850 N	SUGAR CREEK
06-00070	1930	1 - Concrete	02 - Stringer/Multi-beam or Girder	00.30 N OF CR 200 N	MOUNTS RUN
06-00086	1940	3 - Steel	02 - Stringer/Multi-beam or Girder	00.30 N OF CR 200N	HEATH & LANE DITCH
06-00207	1900	3 - Steel	10 - Truss - Thru	00.90 W OF US 421	BIG EAGLE CREEK

Total Bridges for Category 2 : 4

CATEGORY: 3

Total Bridges for Category 3 : 0

GO TO TABLE OF CONTENTS

SUMMARY OF STRUCTURE TYPES

NBI 43A Kind of Material and/or Design	NBI 43B Type of Design and/or Construction	Total
1 - Concrete	01 - Slab	6
1 - Concrete	02 - Stringer/Multi-beam or Girder	11
1 - Concrete	19 - Culvert (includes frame culverts)	14
2 - Concrete continuous	01 - Slab	28
3 - Steel	02 - Stringer/Multi-beam or Girder	9
3 - Steel	10 - Truss - Thru	2
3 - Steel	19 - Culvert (includes frame culverts)	13
4 - Steel continuous	02 - Stringer/Multi-beam or Girder	1
5 - Prestressed concrete	02 - Stringer/Multi-beam or Girder	2
5 - Prestressed concrete	05 - Box Beam or Girders - Multiple	80
5 - Prestressed concrete	06 - Box Beam or Girders - Single or Spread	2
6 - Prestressed concrete continuous	02 - Stringer/Multi-beam or Girder	4
6 - Prestressed concrete continuous	04 - Tee Beam	1
6 - Prestressed concrete continuous	06 - Box Beam or Girders - Single or Spread	7
7 - Wood or Timber	01 - Slab	6
8 - Masonry	11 - Arch - Deck	1
9 - Aluminum, Wrought Iron or Cast Iron	19 - Culvert (includes frame culverts)	3

190 Total Structures

LISTING OF NAVIGABLE WATERWAYS

Bridge No.	Facility Intersected	Facility Carried	Vertical Clearance (ft)
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There are no bridges that qualify for Coast Guard Navigation Control.

**GO TO TABLE
OF CONTENTS**

ROUTINE INSPECTION STATUS

190 Bridges currently in BOONE County's Inventory.
 190 Bridges inspected within Required Re-inspection Timeframe 100%
 0 Bridges inspected BEYOND Required Re-inspection Timeframe 0%

Bridge No.	New Inspection Date	Old Inspection Date	Months Between	Required Months Between Inspections	Number of Months Late
06-00001	09/18/2019	09/13/2018	12	12	0
06-00008	09/10/2019	09/15/2017	24	24	0
06-00010	09/10/2019	09/15/2017	24	24	0
06-00011	09/10/2019	09/27/2017	24	24	0
06-00012	09/10/2019	09/27/2017	24	24	0
06-00013 B	09/10/2019	09/15/2017	24	24	0
06-00015	09/10/2019	09/28/2017	24	24	0
06-00017	09/10/2019	09/28/2017	24	24	0
06-00018	09/10/2019	09/15/2017	24	24	0
06-00019	09/10/2019	09/28/2017	24	24	0
06-00023	09/10/2019	09/27/2017	24	24	0
06-00024	09/10/2019	09/27/2017	24	24	0
06-00027	09/18/2019	09/25/2017	24	24	0
06-00028	09/10/2019	09/27/2017	24	24	0
06-00029	09/10/2019	09/27/2017	24	24	0
06-00030	09/18/2019	09/27/2017	24	24	0
06-00031	09/18/2019	09/15/2017	24	24	0
06-00032	09/19/2019	11/08/2018	10	24	-14
06-00035	09/18/2019	09/15/2017	24	24	0
06-00037	09/18/2019	09/25/2017	24	24	0
06-00041	09/04/2019	09/13/2018	12	12	0
06-00043	09/18/2019	09/27/2017	24	24	0
06-00044	09/18/2019	09/13/2018	12	12	0
06-00045	09/19/2019	09/25/2017	24	24	0
06-00046	09/19/2019	09/27/2017	24	24	0
06-00047	09/19/2019	09/27/2017	24	24	0
06-00048	09/25/2019	09/25/2017	24	24	0
06-00049	09/18/2019	09/27/2017	24	24	0
06-00051	09/19/2019	09/19/2017	24	24	0
06-00052	09/19/2019	09/29/2017	24	24	0
06-00053	09/19/2019	09/15/2017	24	24	0
06-00054	09/19/2019	09/15/2017	24	24	0
06-00055	09/19/2019	09/19/2017	24	24	0
06-00056	09/19/2019	09/29/2017	24	24	0
06-00057	09/19/2019	09/21/2017	24	24	0
06-00058 B	09/19/2019	09/19/2017	24	24	0
06-00059	09/19/2019	09/19/2017	24	24	0
06-00060	09/19/2019	09/25/2017	24	24	0
06-00061	09/24/2019	09/21/2018	12	12	0
06-00062 B	09/19/2019	09/19/2017	24	24	0
06-00063	09/19/2019	09/25/2017	24	24	0

GO TO TABLE OF CONTENTS

ROUTINE INSPECTION STATUS

Bridge No.	New Inspection Date	Old Inspection Date	Months Between	Required Months Between Inspections	Number of Months Late
06-00064	09/19/2019	09/21/2017	24	24	0
06-00066	09/19/2019	09/21/2017	24	24	0
06-00067 B	09/19/2019	09/19/2017	24	24	0
06-00068	09/24/2019	09/26/2017	24	24	0
06-00069	09/24/2019	09/27/2017	24	24	0
06-00070	09/24/2019	09/10/2018	12	12	0
06-00071	09/04/2019	09/19/2017	24	24	0
06-00072 B	09/24/2019	01/25/2019	8	24	-16
06-00082	09/24/2019	09/27/2017	24	24	0
06-00083	09/18/2019	09/27/2017	24	24	0
06-00084	09/04/2019	09/10/2018	12	12	0
06-00085	09/24/2019	09/21/2017	24	24	0
06-00086	09/24/2019	09/27/2017	24	24	0
06-00087	09/24/2019	09/27/2017	24	24	0
06-00088	09/24/2019	09/27/2017	24	24	0
06-00089	09/24/2019	09/19/2017	24	24	0
06-00091	09/24/2019	09/21/2017	24	24	0
06-00092	09/18/2019	09/26/2017	24	24	0
06-00093	09/18/2019	09/14/2017	24	24	0
06-00094	09/18/2019	09/19/2017	24	24	0
06-00095	09/18/2019	09/12/2017	24	24	0
06-00096	09/18/2019	09/19/2017	24	24	0
06-00097	09/19/2019	09/13/2018	12	12	0
06-00099	09/19/2019	09/14/2017	24	24	0
06-00100	09/19/2019	09/13/2018	12	12	0
06-00102	09/18/2019	09/27/2017	24	24	0
06-00103	09/18/2019	09/27/2017	24	24	0
06-00105	09/18/2019	09/15/2017	24	24	0
06-00106	09/19/2019	09/27/2017	24	24	0
06-00107	09/19/2019	09/26/2017	24	24	0
06-00108	09/24/2019	09/28/2017	24	24	0
06-00109	09/23/2019	09/28/2017	24	24	0
06-00110	09/19/2019	09/14/2017	24	24	0
06-00111	09/24/2019	09/19/2017	24	24	0
06-00112	09/23/2019	09/14/2017	24	24	0
06-00113	09/23/2019	09/19/2017	24	24	0
06-00114	09/23/2019	09/26/2017	24	24	0
06-00115	09/23/2019	09/26/2017	24	24	0
06-00116	09/23/2019	09/13/2018	12	12	0
06-00117	09/23/2019	09/28/2017	24	24	0
06-00124	09/23/2019	09/28/2017	24	24	0
06-00125	09/23/2019	09/28/2017	24	24	0
06-00126	09/23/2019	09/28/2017	24	24	0
06-00127	09/24/2019	09/28/2017	24	24	0
06-00130	09/10/2019	09/28/2017	24	24	0
06-00131	09/23/2019	09/26/2017	24	24	0

GO TO TABLE OF CONTENTS

ROUTINE INSPECTION STATUS

Bridge No.	New Inspection Date	Old Inspection Date	Months Between	Required Months Between Inspections	Number of Months Late
06-00132	09/23/2019	09/26/2017	24	24	0
06-00133	09/23/2019	09/26/2017	24	24	0
06-00134	09/23/2019	09/28/2017	24	24	0
06-00135	09/10/2019	09/28/2017	24	24	0
06-00136	09/23/2019	09/14/2017	24	24	0
06-00137	09/23/2019	09/14/2017	24	24	0
06-00138	09/23/2019	09/28/2017	24	24	0
06-00139	09/24/2019	09/13/2018	12	12	0
06-00140	09/24/2019	09/18/2017	24	24	0
06-00142	09/24/2019	09/28/2017	24	24	0
06-00143	09/24/2019	09/28/2017	24	24	0
06-00144	09/24/2019	09/28/2017	24	24	0
06-00147	09/24/2019	09/29/2017	24	24	0
06-00148	09/04/2019	09/28/2017	24	24	0
06-00149	09/24/2019	09/28/2017	24	24	0
06-00150	09/24/2019	09/28/2017	24	24	0
06-00154	09/24/2019	09/13/2018	12	12	0
06-00155	09/24/2019	09/22/2017	24	24	0
06-00158	09/04/2019	09/26/2017	24	24	0
06-00159 B	09/11/2019	09/26/2017	24	24	0
06-00160	09/11/2019	09/22/2017	24	24	0
06-00161	09/04/2019	09/13/2018	12	12	0
06-00162	09/04/2019	09/26/2017	24	24	0
06-00164	09/24/2019	09/29/2017	24	24	0
06-00165	09/11/2019	09/29/2017	24	24	0
06-00166	09/11/2019	09/13/2018	12	12	0
06-00168	09/11/2019	09/22/2017	24	24	0
06-00174	09/04/2019	09/26/2017	24	24	0
06-00175	09/04/2019	09/26/2017	24	24	0
06-00177	09/11/2019	09/14/2017	24	24	0
06-00178	09/19/2019	09/10/2018	12	12	0
06-00179	09/26/2019	09/12/2017	24	24	0
06-00180	09/26/2019	09/12/2017	24	24	0
06-00181	09/26/2019	09/14/2017	24	24	0
06-00182	09/26/2019	09/26/2017	24	24	0
06-00184	09/26/2019	09/12/2017	24	24	0
06-00185	09/26/2019	09/21/2017	24	24	0
06-00186	09/26/2019	09/11/2017	24	24	0
06-00189	09/25/2019	09/19/2017	24	24	0
06-00190	09/26/2019	09/10/2018	12	24	-12
06-00192	09/04/2019	09/10/2018	12	12	0
06-00193	09/04/2019	09/20/2017	24	24	0
06-00194	09/26/2019	09/12/2017	24	24	0
06-00195	09/19/2019	09/21/2017	24	24	0
06-00196	09/25/2019	09/19/2017	24	24	0
06-00198	09/19/2019	09/21/2017	24	24	0

GO TO TABLE OF CONTENTS

ROUTINE INSPECTION STATUS

Bridge No.	New Inspection Date	Old Inspection Date	Months Between	Required Months Between Inspections	Number of Months Late
06-00199	09/19/2019	09/21/2017	24	24	0
06-00200	09/26/2019	09/20/2017	24	24	0
06-00201	09/26/2019	09/20/2017	24	24	0
06-00202	09/25/2019	09/10/2018	12	12	0
06-00203	09/25/2019	09/25/2017	24	24	0
06-00204	09/19/2019	09/10/2018	12	12	0
06-00205	09/19/2019	09/25/2017	24	24	0
06-00207	09/19/2019	09/26/2017	24	24	0
06-00208	09/26/2019	09/20/2017	24	24	0
06-00210	09/26/2019	09/26/2017	24	24	0
06-00211	09/26/2019	09/20/2017	24	24	0
06-00212	09/26/2019	09/26/2017	24	24	0
06-00215	09/26/2019	09/11/2017	24	24	0
06-00216	09/26/2019	09/26/2017	24	24	0
06-00217	09/25/2019	09/10/2018	12	12	0
06-00219	09/25/2019	01/25/2019	8	24	-16
06-00220 B	09/26/2019	09/11/2017	24	24	0
06-00221	09/11/2019	09/11/2017	24	24	0
06-00222	09/11/2019	09/22/2017	24	24	0
06-00225	09/24/2019	09/28/2017	24	24	0
06-00227	09/11/2019	09/28/2017	24	24	0
06-00228	09/11/2019	09/18/2017	24	24	0
06-00229	09/11/2019	09/13/2018	12	12	0
06-00230	09/11/2019	09/29/2017	24	24	0
06-00231	09/23/2019	09/26/2017	24	24	0
06-00239	09/11/2019	09/14/2017	24	24	0
06-00257	09/25/2019	09/25/2017	24	24	0
06-00268 B	09/11/2019	09/22/2017	24	24	0
06-00273	09/11/2019	09/22/2017	24	24	0
06-00278	09/19/2019	09/22/2017	24	24	0
06-00283	09/19/2019	09/22/2017	24	24	0
06-00284	09/19/2019	09/22/2017	24	24	0
06-00285	09/23/2019	09/13/2018	12	12	0
06-00287	09/19/2019	09/22/2017	24	24	0
06-00300	09/17/2019	09/18/2017	24	24	0
06-00301	09/17/2019	09/12/2017	24	24	0
06-00302	09/17/2019	09/18/2017	24	24	0
06-00304	09/17/2019	09/18/2017	24	24	0
06-00305	09/17/2019	09/19/2017	24	24	0
06-00306	09/17/2019	09/19/2017	24	24	0
06-00307	09/17/2019	09/19/2017	24	24	0
06-00308	09/17/2019	09/12/2017	24	24	0
06-00309	09/17/2019	09/19/2017	24	24	0
06-00310	09/17/2019	09/27/2017	24	24	0
06-00311	09/17/2019	09/10/2018	12	12	0
06-00312	09/17/2019	09/19/2017	24	24	0

GO TO TABLE OF CONTENTS

ROUTINE INSPECTION STATUS

Bridge No.	New Inspection Date	Old Inspection Date	Months Between	Required Months Between Inspections	Number of Months Late
06-00313	09/17/2019	09/19/2017	24	24	0
06-00314 B	09/19/2019	09/11/2017	24	24	0
06-00315	09/18/2019	09/12/2017	24	24	0
06-00400	09/18/2019	09/15/2017	24	24	0
06-00401	09/19/2019	09/25/2017	24	24	0
06-00402	09/19/2019	09/11/2017	24	24	0
06-00403	09/19/2019	09/11/2017	24	24	0
06-00404	09/19/2019	09/20/2017	24	24	0
06-00405	09/19/2019	09/20/2017	24	24	0
06-00594	09/04/2019	09/20/2017	24	24	0
06-00595	09/26/2019	09/21/2017	24	24	0
190 Total Structures					

GO TO TABLE OF CONTENTS

INSPECTION STATUS OF FRACTURE CRITICAL BRIDGE INSPECTION

- 190 Bridges currently in BOONE County's Inventory.
- 2 Bridges coded "YES" in Item 92A (Non-Redundant)
- 2 Bridges inspected within Required Re-inspection Timeframe 100%
- 0 Bridges inspected BEYOND Required Re-inspection Timeframe 0%

Bridge No.	New Inspection Date	Old Inspection Date	Item #92A Coding	Months Between Inspection	Required Months Between Inspections	Number of Months Late
06-00032	09/19/2019	09/27/2017	Y24	24	24	0
06-00207	09/19/2019	09/26/2017	Y24	24	24	0
2 Total Structures						

GO TO TABLE OF CONTENTS

INSPECTION STATUS OF UNDERWATER/IN-WATER INSPECTION

- 190 Bridges currently in BOONE County's Inventory.
- 1 Bridges coded "YES" in Item 92B
- 1 Bridges inspected within Required Re-inspection Timeframe 100%
- 0 Bridges inspected BEYOND Required Re-inspection Timeframe 0%

Bridge No.	New Inspection Date	Old Inspection Date	Item #92B Coding	Months Between Inspection	Required Months Between Inspections	Number of Months Late
06-00041	08/31/2018	08/25/2014	Y48	48	48	0

1 Total Structures

INSPECTION STATUS OF SPECIAL BRIDGE INSPECTION

- 190 Bridges currently in BOONE County's Inventory.
- 0 Bridges coded "YES" in Item 92C
- 0 Bridges inspected within Required Re-inspection Timeframe 0%
- 0 Bridges inspected BEYOND Required Re-inspection Timeframe 0%

Bridge No.	New Inspection Date	Old Inspection Date	Item #92C Coding	Months Between Inspection	Required Months Between Inspections	Number of Months Late
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0 Total Structures

GO TO TABLE OF CONTENTS

SUMMARY OF BRIDGES WITH
INCREASED FREQUENCY INSPECTIONS

Bridge Number	Designated Inspection Frequency	Fracture Critical Required	Fracture Critical Frequency	Fracture Critical Inspection Date	Underwater Required	Underwater Inspection Frequency	Underwater Inspection Date	Special Inspection Required	Special Inspection Frequency
06-00001	12	N			N			N	
06-00041	12	N			Y	48	08/31/2018	N	
06-00061	12	N			N			N	
06-00070	12	N			N			N	
06-00084	12	N			N			N	
06-00097	12	N			N			N	
06-00116	12	N			N			N	
06-00139	12	N			N			N	
06-00154	12	N			N			N	
06-00161	12	N			N			N	
06-00166	12	N			N			N	
06-00178	12	N			N			N	
06-00192	12	N			N			N	
06-00202	12	N			N			N	
06-00217	12	N			N			N	
06-00229	12	N			N			N	
06-00285	12	N			N			N	
06-00311	12	N			N			N	

Total Increased Frequency Inspections: 18

SUMMARY OF CHANGES IN 91, 92A, 92B, AND 92C

Bridge Number	Routine		Fracture Critical		Underwater		Special	
	91 Old Value	91 New Value	92A Old Value	92A New Value	92B Old Value	92B New Value	92C Old Value	92C New Value

Total Bridges With Changes: 0

**GO TO TABLE
OF CONTENTS**

INSPECTION STATUS OF SCOUR CRITICAL BRIDGES

- 190 Bridges currently in BOONE County's Inventory.
- 190 Bridges over a waterway (Item #42B coded = 5,6,7,8,9 or 0)
 - 0 Bridges CLOSED due to scour problems
 - 1 Bridges considered SCOUR CRITICAL
 - 0 Bridges with designed and working scour counter measures in-place
 - 0 Bridges with Unknown foundation types
- 18 Bridges with Moderate Risk - Scour Critical Bridges

LIST OF "SCOUR CRITICAL BRIDGES":

Bridge No.	NBI Item #113 Code
06-00161	3 - Foundations unstable for scour conditions

LIST OF BRIDGES "WITH UNKNOWN FOUNDATION TYPES":

Bridge No.	NBI Item #113 Code
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LIST OF "MODERATE RISK - SCOUR CRITICAL BRIDGES":

Bridge No.

06-00011

06-00015

06-00017

06-00028

06-00032

06-00041

06-00143

06-00144

06-00147

06-00148

06-00150

06-00154

06-00164

06-00225

06-00227

06-00229

06-00230

06-00285

Bridges are considered scour critical for the purposes of being moderate risk per INDOT Memorandum 16-01, Appendix D. These bridges do not require a full scour report or scour measurements. See Appendix C in this report for the Plans of Action (POA).

GO TO TABLE OF CONTENTS

LOAD CAPACITY STATUS

190 Bridges currently in BOONE County's Inventory.

Method Used:

126	Field Evaluation and Documented Engineering Judgement	66.32%
38	Load Factor (LF) Method Used	20%
0	Allowable Stress (AS) Method Used	0%
26	Load and Resistance Factor (LRFD) Method Used	13.68%
0	Load Testing Method Used	0%
0	No Rating Analysis Performed	0%
0	Load Factor (LF) Rating Reported by Rating Factor (RF) Method Using MS18 Loading	0%
0	Allowable Stress (AS) Rating Reported By Rating Factor (RF) Method Using MS 18 Loading	0%
0	Load and Resistance Factor Rating (LRFR) Rating Reported By Rating Factor (RF) Method Using HL-93 Loadings	0%
0	Assigned Rating Based On Load Factor Design (LFD) Reported In Metric Tons	0%
0	Assigned Ratings Based On Allowable Stress Design (ASD) Reported In Metric Tons	0%
0	Assigned Ratings Based On Load And Resistance Factor Design (LRFD) Reported In Metric Tons	0%
0	Assigned Rating Based On Load Factor Design (LFD) Reported By Rating Factor Using MS18 Loading	0%
0	Assigned Ratings Based On Allowable Stress Design (ASD) Reported By Rating Factor Using MS18 Loadings	0%
0	Assigned Ratings Based On Load And Resistance Factor Design (LRFD) Reported By Rating Factor Using MS18 Loadings	0%

Bridge No.	Inventory Rating Method	Operating Rating Method	H Inventory Rating	HS Inventory Rating	HS Operating Rating
06-00001	0	0	15	27	35
06-00008	1	1	27	44	75
06-00010	0	0	20	36	45
06-00011	0	0	20	36	45
06-00012	0	0	20	36	45
06-00013 B	1	1	25	41	69
06-00015	0	0	20	36	45
06-00017	0	0	20	36	45
06-00018	0	0	20	36	36
06-00019	0	0	20	36	45
06-00023	0	0	20	36	45
06-00024	0	0	20	36	45
06-00027	3	3	15	22	45
06-00028	0	0	20	36	45
06-00029	0	0	20	36	45
06-00030	0	0	20	36	45
06-00031	0	0	20	36	45
06-00032	0	0	00	00	00

GO TO TABLE OF CONTENTS

LOAD CAPACITY STATUS

Bridge No.	Inventory Rating Method	Operating Rating Method	H Inventory Rating	HS Inventory Rating	HS Operating Rating
06-00035	0	0	20	36	45
06-00037	1	1	28	43	70
06-00041	0	0	10	18	22
06-00043	0	0	20	36	45
06-00044	0	0	20	36	45
06-00045	1	1	24	43	73
06-00046	0	0	20	36	45
06-00047	1	1	26	41	69
06-00048	0	0	20	36	45
06-00049	0	0	20	36	45
06-00051	0	0	20	36	45
06-00052	3	3	41	46	70
06-00053	0	0	20	36	45
06-00054	0	0	20	36	45
06-00055	1	1	24	40	66
06-00056	3	3	34	38	59
06-00057	0	0	20	36	45
06-00058 B	1	1	20	45	60
06-00059	0	0	20	36	45
06-00060	0	0	20	36	45
06-00061	0	0	20	36	45
06-00062 B	1	1	20	45	60
06-00063	0	0	20	36	45
06-00064	0	0	20	36	45
06-00066	0	0	20	36	45
06-00067 B	3	3	49	76	99
06-00068	0	0	20	36	45
06-00069	1	1	25	45	76
06-00070	0	0	15	34	45
06-00071	0	0	20	36	45
06-00072 B	0	0	20	36	45
06-00082	1	1	23	42	71
06-00083	1	1	21	32	54
06-00084	0	0	13	24	45
06-00085	0	0	20	36	45
06-00086	1	1	13	20	34
06-00087	0	0	15	26	45
06-00088	1	1	21	37	62
06-00089	0	0	20	36	45
06-00091	0	0	20	36	45
06-00092	1	1	14	24	40
06-00093	1	1	24	43	71
06-00094	3	3	63	71	99
06-00095	0	0	20	36	45
06-00096	1	1	30	38	64

**GO TO TABLE
OF CONTENTS**

LOAD CAPACITY STATUS

Bridge No.	Inventory Rating Method	Operating Rating Method	H Inventory Rating	HS Inventory Rating	HS Operating Rating
06-00097	1	1	16	28	36
06-00099	0	0	20	36	45
06-00100	1	1	24	39	65
06-00102	3	3	38	69	74
06-00103	0	0	20	36	45
06-00105	0	0	20	36	45
06-00106	0	0	20	36	45
06-00107	0	0	20	36	45
06-00108	1	1	23	36	60
06-00109	1	1	22	35	71
06-00110	1	1	22	40	66
06-00111	1	1	26	47	79
06-00112	0	0	20	36	45
06-00113	0	0	20	36	45
06-00114	0	0	20	36	45
06-00115	0	0	20	36	45
06-00116	0	0	15	27	36
06-00117	0	0	20	36	45
06-00124	0	0	20	36	45
06-00125	0	0	20	36	45
06-00126	1	1	28	49	82
06-00127	3	3	20	36	44
06-00130	0	0	20	36	45
06-00131	3	3	20	36	45
06-00132	3	3	20	36	49
06-00133	3	3	26	47	54
06-00134	3	3	20	36	44
06-00135	1	1	27	49	82
06-00136	0	0	20	36	45
06-00137	0	0	20	36	45
06-00138	0	0	20	36	45
06-00139	0	0	12	20	25
06-00140	0	0	20	36	45
06-00142	3	3	56	99	99
06-00143	1	1	21	33	55
06-00144	0	0	20	36	45
06-00147	0	0	20	36	45
06-00148	1	1	9	17	29
06-00149	0	0	20	36	45
06-00150	1	1	19	28	48
06-00154	0	0	16	28	36
06-00155	0	0	20	36	45
06-00158	0	0	15	29	45
06-00159 B	0	0	20	36	45
06-00160	0	0	16	28	45

GO TO TABLE OF CONTENTS

LOAD CAPACITY STATUS

Bridge No.	Inventory Rating Method	Operating Rating Method	H Inventory Rating	HS Inventory Rating	HS Operating Rating
06-00161	0	0	15	28	45
06-00162	1	1	14	26	44
06-00164	0	0	15	31	45
06-00165	1	1	20	33	45
06-00166	1	1	14	23	39
06-00168	0	0	20	36	45
06-00174	0	0	08	17	34
06-00175	1	1	11	19	33
06-00177	0	0	20	36	45
06-00178	0	0	20	36	45
06-00179	0	0	20	36	45
06-00180	0	0	20	36	45
06-00181	3	3	20	36	45
06-00182	0	0	20	36	45
06-00184	0	0	20	36	45
06-00185	0	0	20	36	45
06-00186	0	0	20	36	45
06-00189	0	0	20	36	45
06-00190	0	0	20	36	45
06-00192	0	0	11	18	40
06-00193	3	3	25	45	59
06-00194	0	0	20	36	45
06-00195	0	0	20	36	45
06-00196	0	0	20	36	45
06-00198	0	0	20	36	45
06-00199	0	0	20	36	45
06-00200	0	0	20	36	45
06-00201	1	1	25	40	69
06-00202	1	1	25	33	55
06-00203	0	0	20	36	45
06-00204	0	0	16	28	36
06-00205	1	1	20	36	45
06-00207	1	1	20	31	38
06-00208	3	3	20	36	53
06-00210	0	0	20	36	45
06-00211	3	3	37	67	72
06-00212	0	0	20	36	45
06-00215	3	3	30	50	67
06-00216	0	0	20	36	45
06-00217	1	1	28	37	63
06-00219	0	0	20	36	45
06-00220 B	3	3	20	36	45
06-00221	0	0	20	36	45
06-00222	0	0	20	36	45
06-00225	0	0	20	36	45

GO TO TABLE OF CONTENTS

LOAD CAPACITY STATUS

Bridge No.	Inventory Rating Method	Operating Rating Method	H Inventory Rating	HS Inventory Rating	HS Operating Rating
06-00227	0	0	20	36	45
06-00228	0	0	20	36	45
06-00229	0	0	20	36	45
06-00230	0	0	20	36	45
06-00231	3	3	25	45	52
06-00239	0	0	20	36	45
06-00257	0	0	20	36	45
06-00268 B	0	0	20	36	45
06-00273	3	3	19	32	45
06-00278	0	0	16	24	45
06-00283	0	0	16	28	36
06-00284	0	0	20	36	45
06-00285	0	0	15	27	33
06-00287	0	0	20	36	45
06-00300	0	0	20	36	45
06-00301	0	0	20	36	45
06-00302	0	0	20	36	45
06-00304	0	0	20	36	45
06-00305	0	0	20	36	45
06-00306	0	0	20	36	45
06-00307	0	0	20	36	45
06-00308	0	0	20	36	45
06-00309	0	0	20	36	45
06-00310	0	0	13	23	45
06-00311	3	3	13	21	42
06-00312	1	1	20	36	45
06-00313	1	1	20	36	45
06-00314 B	3	3	34	53	70
06-00315	0	0	20	36	45
06-00400	3	3	33	52	70
06-00401	0	0	20	36	45
06-00402	3	3	30	51	67
06-00403	3	3	30	51	67
06-00404	0	0	20	36	45
06-00405	0	0	20	36	45
06-00594	3	3	30	54	61
06-00595	0	0	20	36	45

190 Total Structures

**GO TO TABLE
OF CONTENTS**

MASTER LIST - LIST OF BRIDGES REQUIRING IN-DEPTH INSPECTIONS

Bridge No.	Fracture Critical / Non- Redundant Inspection	Underwater Inspection	Special Inspection
06-00032	Y24	N	N
06-00041	N	Y48	N
06-00207	Y24	N	N

Total Bridges Requiring In-Depth Inspection: 3

WORK PLAN FOR INSPECTIONS AND RE-INSPECTIONS

190	Bridges currently in BOONE County's Inventory.	
172	Bridges with Biennial Re-Inspection Frequencies of 24 Months	90.53%
18	Bridges with Biennial Re-Inspection Frequencies of Less than 24 Months	9.47%
<hr/>		
2	Bridges Require Item #92A Inspections: Non-Redundant Bridges	
2	Bridges with 92A Re-Inspection Frequencies of 24 Months	100%
0	Bridges with 92A Re-Inspection Frequencies of Less than 24 Months	0%
<hr/>		
1	Bridges Require Item #92B Inspections: Underwater Inspections	
0	Bridges with 92B Re-Inspection Frequencies of 60 Months	0%
1	Bridges with 92B Re-Inspection Frequencies of Less than 60 Months	100%
<hr/>		
0	Bridges Require Item #92C Inspections: Special Bridge Detail Inspections	
0	Bridges with 92C Re-Inspection Frequencies of 24 Months	N/A
0	Bridges with 92C Re-Inspection Frequencies of Less than 24 Months	N/A

The County or assigned representative will monitor all of the bridges that have been recommended to be monitored in this Report by the Consultant.